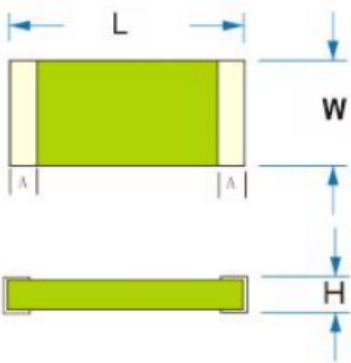


Manufacturer	Semitel Electronics Co., Ltd.	PAGE NO.	1 OF 2
公 BM02 PCB board antenna			
Address	Flat C, 9/F,Unison Industrial Centre,27-31 AuPuiWan Street,Fotan , Shatin , Hong Kong	VERSION	A1
Name	Chip Antenna	DATE	2025. 9. 04

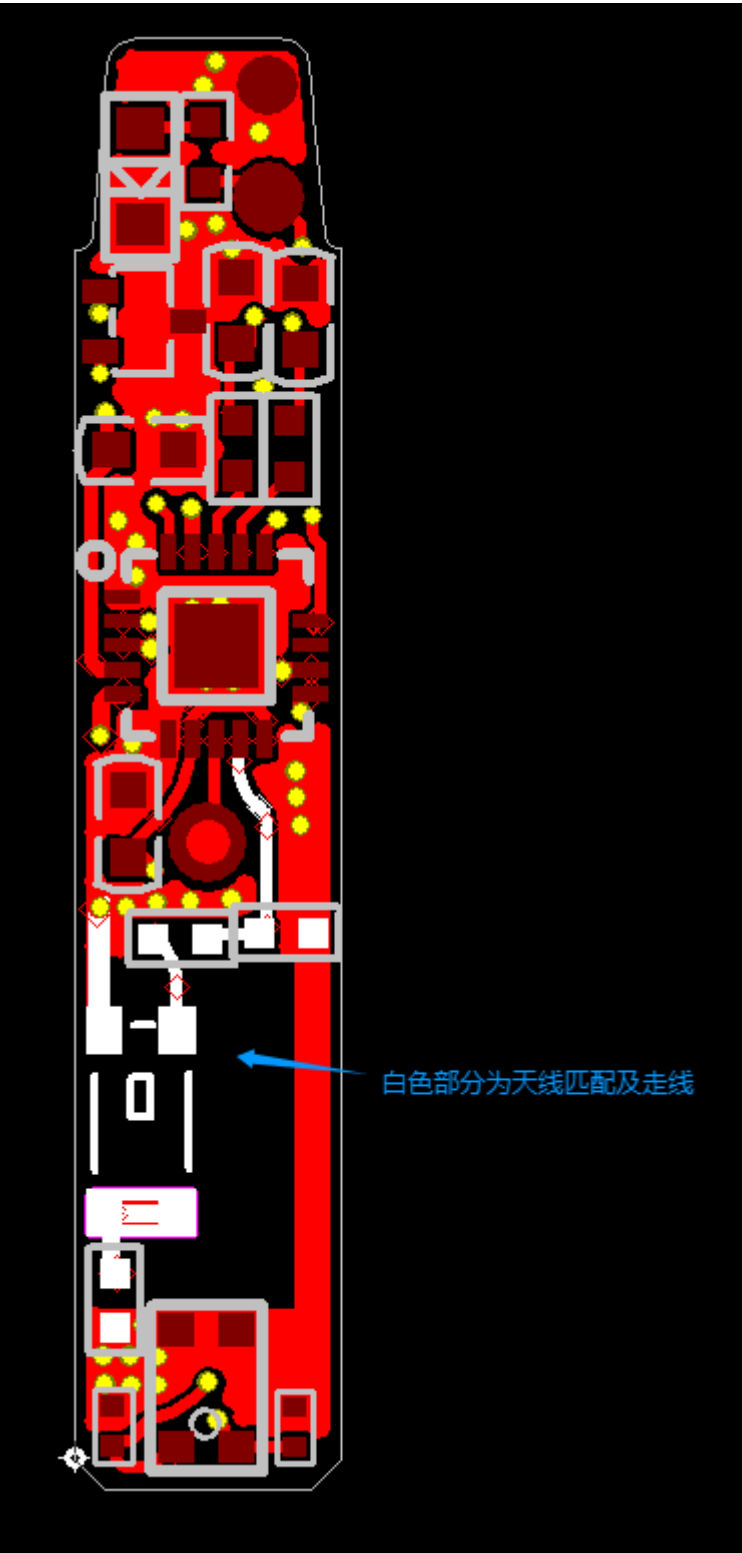
1. BSH383 used with SC2450P3216B0 Antenna.

Shape and Dimensions



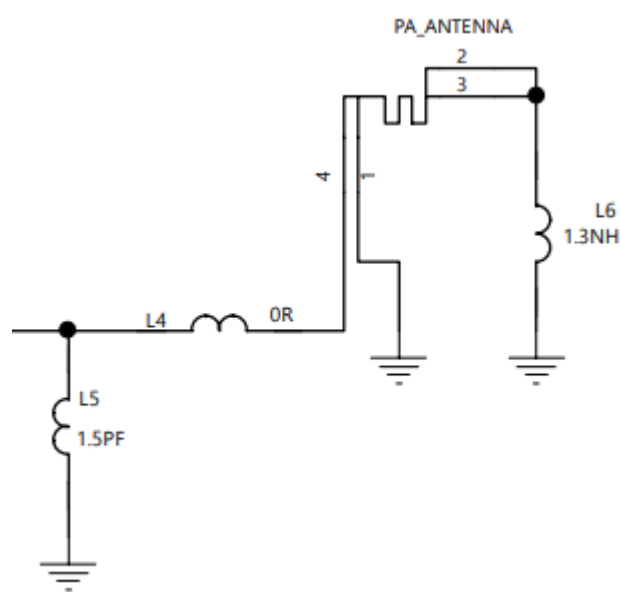
	Dimensions(mm)
L	3.20±0.20
W	1.60±0.20
H	0.45±0.20
A	0.35±0.25

Manufacturer	Semitel Electronics Co., Ltd.	PAGE NO.	2 OF 2
公 BM02 PCB board antenna			
Address	Flat C, 9/F,Unison Industrial Centre,27-31 AuPuiWan Street,Fotan , Shatin , Hong Kong	VERSION	A1
Name	Chip Antenna	DATE	2025. 9. 04



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公 BM02 PCB board antenna			
Address	Flat C, 9/F,Unison Industrial Centre,27-31 AuPuiWan Street,Fotan , Shatin , Hong Kong	VERSION	A1
Name	Chip Antenna	DATE	2025. 9. 04

2. Matching circuit: (Center frequency is about 2441MHz)

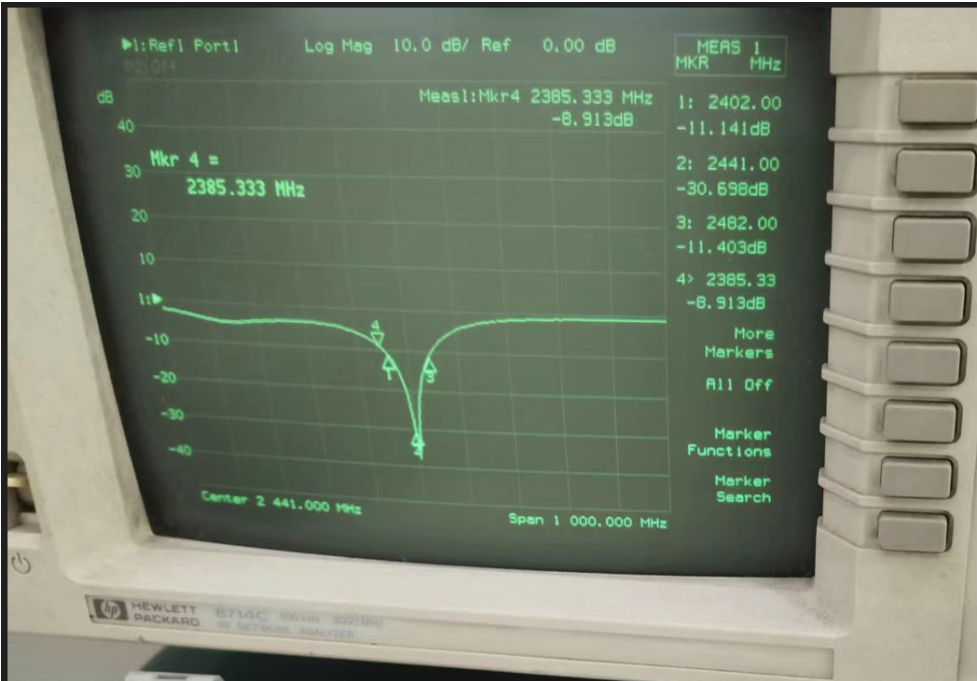


3. Description:

- 4.1. Antenna name: BSH383
- 4.2. Material: 陶瓷双极天线
- 4.3. Working frequency: 2400~2500 MHz
- 4.4. VSWR:<2
- 4.5 Peak Gain: 2.5 dBi@2441MHz
- 4.6 Impedance: 50 OHM
- 4.7 Return Loss , Smith chart & VSWR

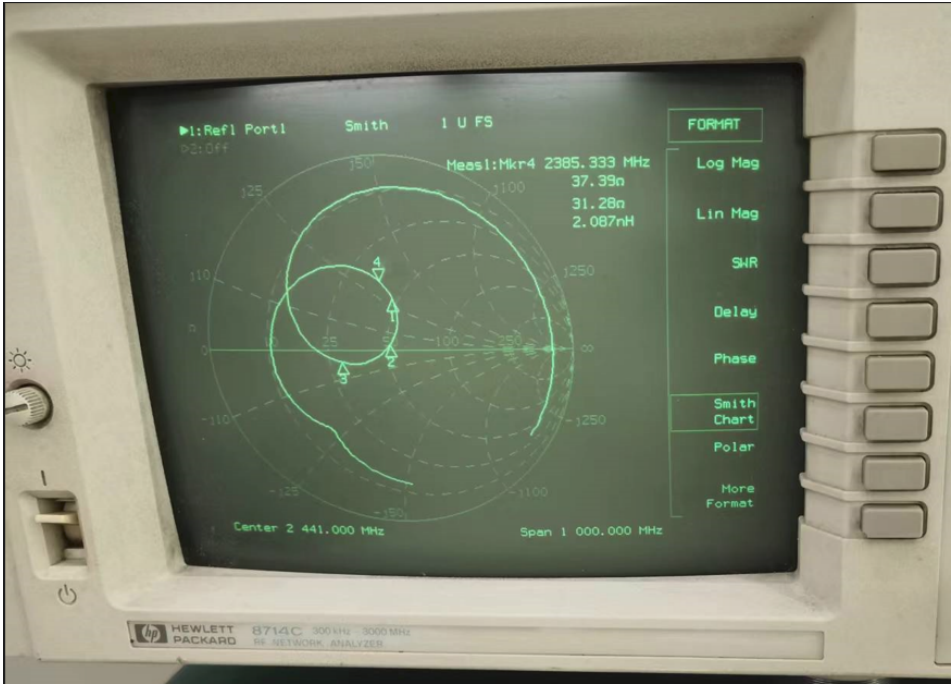
Manufacturer	Semitel Electronics Co., Ltd.	PAGE NO.	4 OF 2
公 BM02 PCB board antenna			
Address	Flat C, 9/F,Unison Industrial Centre,27-31 AuPuiWan Street,Fotan , Shatin , Hong Kong	VERSION	A1
Name	Chip Antenna	DATE	2025. 9. 04

Return Loss

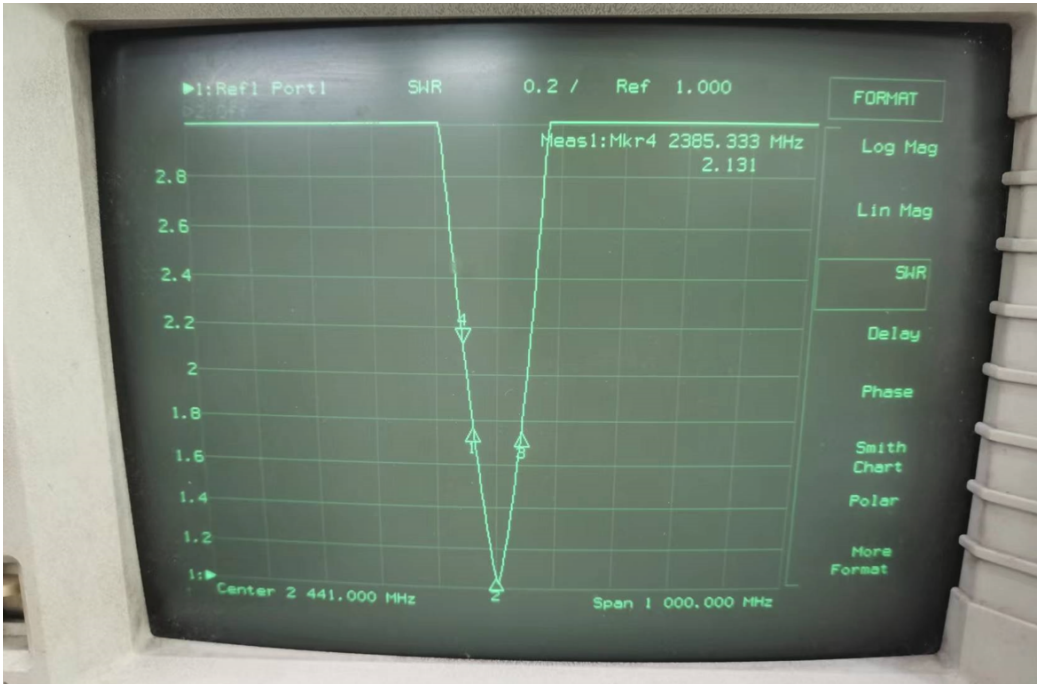


Smith chart

Manufacturer	Semitel Electronics Co., Ltd.	PAGE NO.	5 OF 2
公 BM02 PCB board antenna			
Address	Flat C, 9/F, Unison Industrial Centre, 27-31 AuPuiWan Street, Fotan, Shatin, Hong Kong	VERSION	A1
Name	Chip Antenna	DATE	2025. 9. 04



VSWR

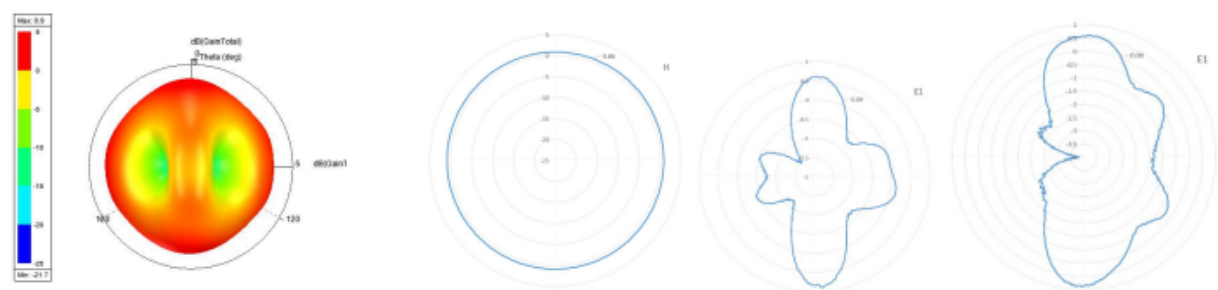


Manufacturer	Semitel Electronics Co., Ltd.	PAGE NO.	6 OF 2
公 BM02 PCB board antenna			
Address	Flat C, 9/F,Unison Industrial Centre,27-31 AuPuiWan Street,Fotan , Shatin , Hong Kong	VERSION	A1
Name	Chip Antenna	DATE	2025. 9. 04

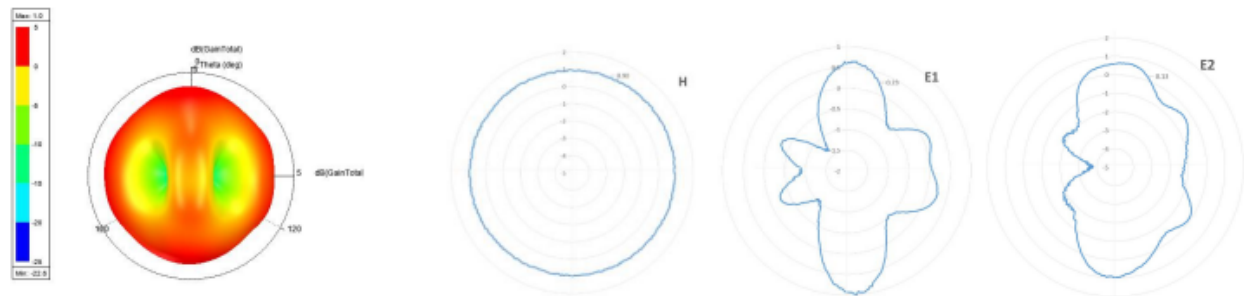
Manufacturer	Semitel Electronics Co., Ltd.	PAGE NO.	7 OF 2
公 BM02 PCB board antenna			
Address	Flat C, 9/F,Unison Industrial Centre,27-31 AuPuiWan Street,Fotan , Shatin , Hong Kong	VERSION	A1
Name	Chip Antenna	DATE	2025. 9. 04

5. 3D Radiation Gain

● 3D Gain Pattern (2400 MHz)



● 3D Gain Pattern (2440 MHz)



● 3D Gain Pattern (2480 MHz)

